

Name _____



Date _____

Algebra

(Answer ID # 0868841)

Express each of the following problems algebraically.

(Hint: Use n as the unknown number and create an equation from the problem.)

1. eight times a number equals 56	2. A number increased by 77 is 158
3. The sum of a number and seven times the same number is 48	4. eight less than five times a number is 22

Solve.

5. $x + 72 = 150$	6. $52 = a - 43$
7. $65 + 19 = 12 + y$	8. $37.3 + y = 102.2$

Solve.

9. $x + 12.5 = 58.47$	10. $50 = a - 25$
11. $x - 21.8 = 11.7$	12. $37.06 = a - 41.28$

Solve.

13. $\frac{b}{9} = 6$	14. $3160 = 79a$
15. $n \div 17 = 8$	16. $11b = 132$

Solve.

17. $d \times 4 = 16$	18. $24 + k = 29$
19. $21 \times a = 357$	20. $j \div 5 = 4$

Solve.

21. $64 - k = 42$	22. $b \times 6 = 42$
23. $23 + 24 \times g \times 10 = 2903$	24. $3 \times i = 75$